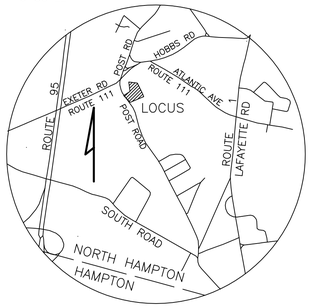
LOCATION PLAN

NOT TO SCALE



SOIL CLASS: 313B – DEERFIELD
33A – SCITICO

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: ASSUMED DATUM

#1 SET PK EL 51.84

#2 SET PK EL 51.61

#3 BOTTOM OF TRIM @ COR BARN ELEV 52.56

DESIGN INTENT:

THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT ELEVATION 49.5. THIS IS APPROXIMATELY 25" BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EDS (EL 51.6).

SUITABLE REPLACEMENT AREA:

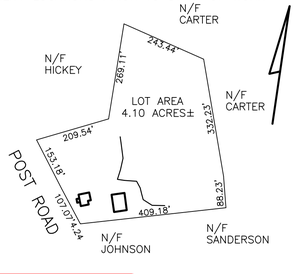
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

EXISTING CONTOUR
PROPOSED CONTOUR
50.0 EXISTING SPOT ELEVATION
(50.0) PROPOSED SPOT ELEVATION

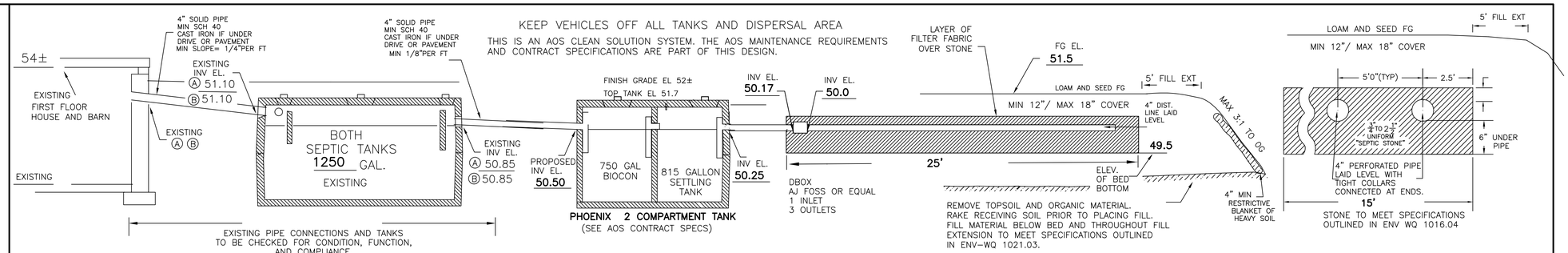
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D7759
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #12532
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. LEACH FIELD SETBACKS:
   FROM WELL (NOT IN USE) 68'+
   FROM HYDRIC B 50'MIN
   FROM HYDRIC A SURFACE WATER 100'+
5. INSTALLER IS RESPONSIBLE FOR KNOWLEDGE OF AND COMPLIANCE WITH APPLICABLE TOWN ZONING AND BUILDING CODE REQUIREMENTS. INSTALLER MUST CONTACT DIGSAFE FOR SUBSURFACE UTILITY LOCATIONS PRIOR TO START OF WORK



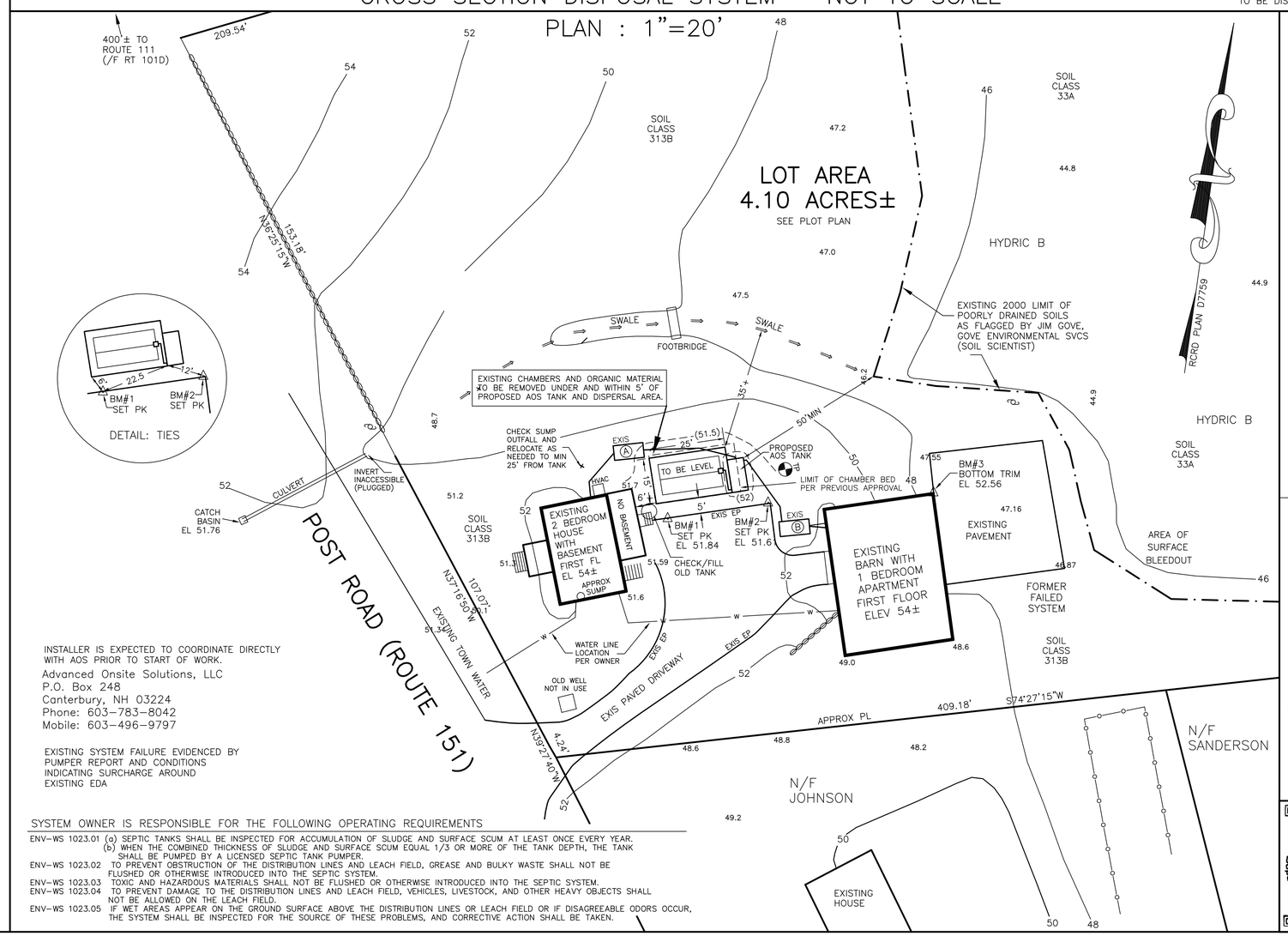
PLAN
200'

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Eric Thomas
Date: 7/7/2016
#eCA2016070730



CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

ORIGINAL SOIL IMMEDIATLEY ADJACENT TO HOUSE AND EXISTING PAVEMENT TO BE DISTURBED AS LITTLE AS POSSIBLE.



INSTALLER IS EXPECTED TO COORDINATE DIRECTLY WITH AOS PRIOR TO START OF WORK.

Advanced Onsite Solutions, LLC
P.O. Box 248
Canterbury, NH 03224
Phone: 603–783–8042
Mobile: 603–496–9797

EXISTING SYSTEM FAILURE EVIDENCED BY PUMPER REPORT AND CONDITIONS INDICATING SURCHARGE AROUND EXISTING EDA

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.
(b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TEST PIT DATA

DATE: JUNE 22, 2016

TOWN INSPECTOR: MIKE CUOMO

#1 ELEV 51.5

0–5"	10YR3/4 FINE SANDY LOAM FILL, FRIABLE GRANULAR
5–20"	2.5Y4/4 FINE SANDY LOAM FILL, FRIABLE BLOCKY
20–60"	2.5Y5/4 STONY FINE SANDY LOAM, FRIABLE BLOCKY

ESHWT @ 52", OBSERVED WATER @ 52", NO REFUSAL

PERC TEST DATA

DATE: N/A (SEE BELOW)

PERC RATE: N/A CLEAN SOLUTION SYSTEM

DESIGN LOADING: 2 BEDROOMS (300GPD) + 1 BDRM (225 GPD)

AREA REQUIRED: 150–200 SF CLEAN SOLUTION DISPERSAL AREA

AREA PROPOSED: 15' X 25' = 375 SF DISPERSAL AREA PROVIDED

APPROVED 8 July 2016 Michael Cuomo
Town of North Hampton
Septic System Examiner
Notice: North Hampton requires a basal area (scarification) inspection.
Call CEO 24 hours in advance at 964-8650.

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM
PREVIOUS APPROVAL CA2001031837

LOCUS: 91 POST ROAD
NORTH HAMPTON, NH
TAX MAP 14 LOT 41

OWNER: HOMER A. JOHNSON JR. REVOCABLE TRUST
HOMER A. JOHNSON JR., TRUSTEE
89 POST ROAD
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

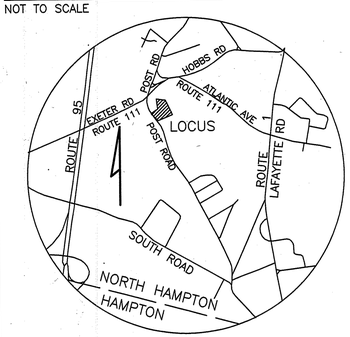
DATE: 06/29/2016

APPROVAL:

306–2016

LOCATION PLAN

NOT TO SCALE



SOIL CLASS: 313B – DEERFIELD
33A – SCITICO

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: ASSUMED DATUM

#1 SET SPIKE ELEV 49.62

#2 BOTTOM OF TRIM @ COR HOUSE ELEV 53.20

#3 BOTTOM OF TRIM @ COR BARN ELEV 52.56

DESIGN INTENT:

THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT ELEVATION 49.5. THIS IS APPROXIMATELY 25" BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EDS (EL 51.6).

SUITABLE REPLACEMENT AREA:

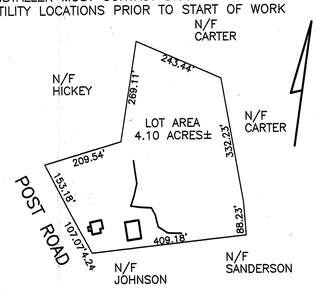
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

EXISTING CONTOUR
PROPOSED CONTOUR
50.0 EXISTING SPOT ELEVATION
(50.0) PROPOSED SPOT ELEVATION

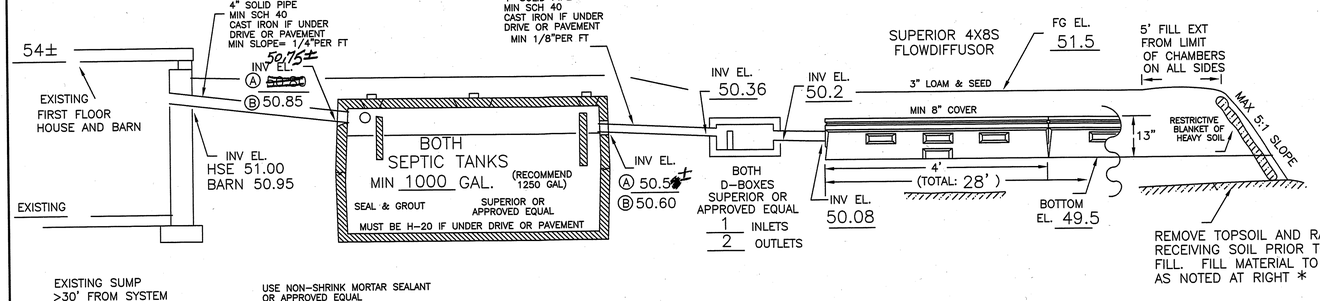
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D7759
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #12532
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. LEACH FIELD SETBACKS:
   - FROM WELL (NOT IN USE) 68'+
   - FROM HYDRIC B 50'MIN
   - FROM HYDRIC A SURFACE WATER 100'+
5. INSTALLER IS RESPONSIBLE FOR KNOWLEDGE OF AND COMPLIANCE WITH APPLICABLE TOWN ZONING AND BUILDING CODE REQUIREMENTS. INSTALLER MUST CONTACT DIGSAFE FOR SUBSURFACE UTILITY LOCATIONS PRIOR TO START OF WORK

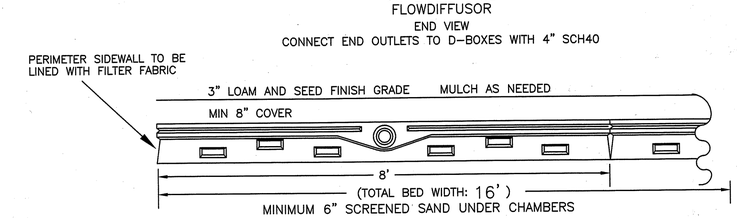


PLOT PLAN

1"=APPROX 200'

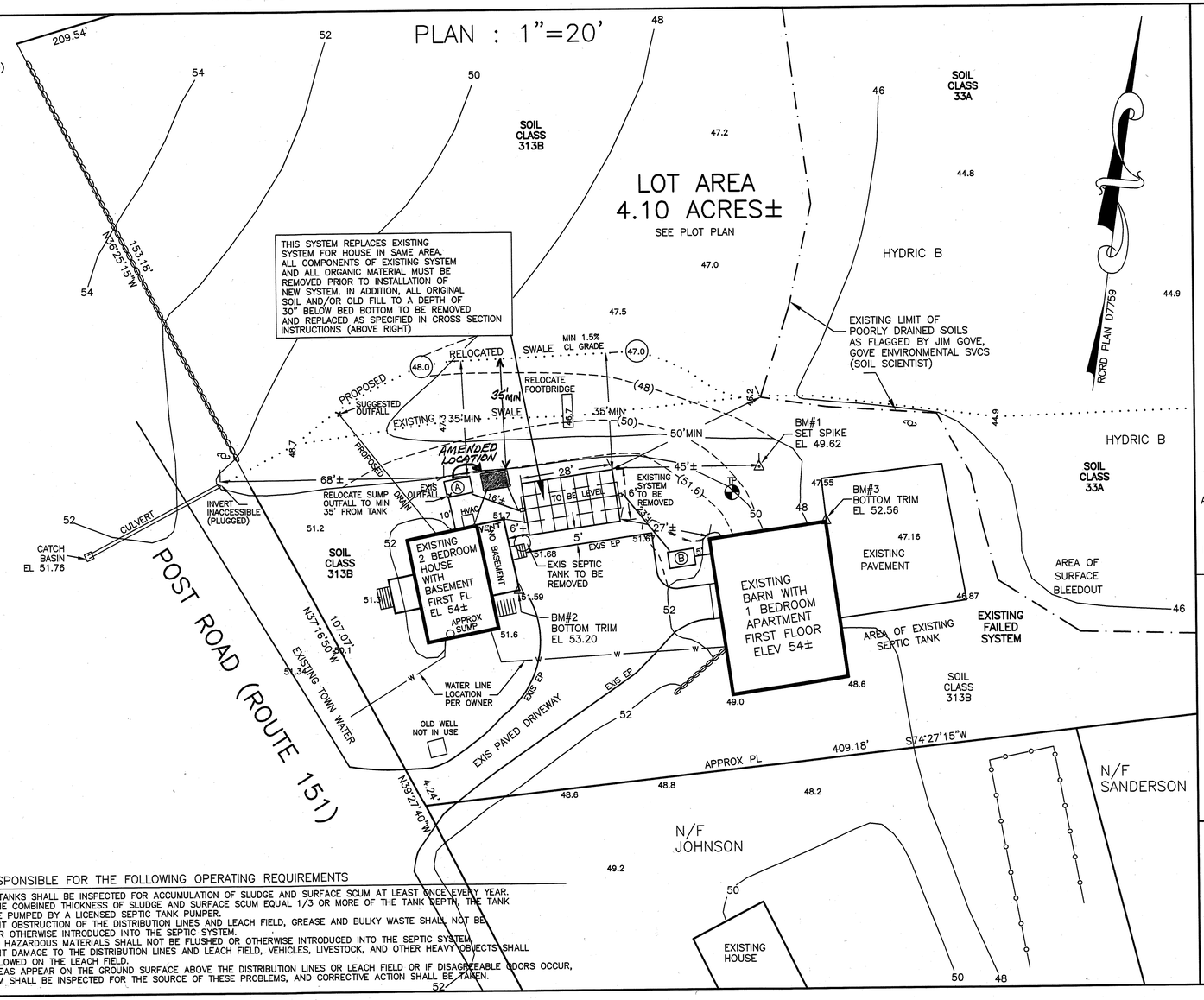


CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE



* ALL SYSTEM REMNANTS, ORGANIC MATERIAL AND OLD FILL TO BE REMOVED TO ELEV 47 UNDER AND 10' NORTHERLY AND EASTERLY FROM LIMITS OF BED AND REPLACED WITH SAND PER ENV–WS 1021.03. FILL PLACED OUTSIDE OF THIS AREA SHALL BE CLEAN, HOMOGENEOUS SOIL PER ENV–WS 1014.01 (D) WITH MIN 6" BLANKET OF HEAVY SOIL ON SIDE SLOPES KEYED INTO ORIGINAL GROUND.
ORIGINAL SOIL IMMEDIATLEY ADJACENT TO HOUSE AND EXISTING PAVEMENT TO BE DISTURBED AS LITTLE AS POSSIBLE.

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.
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ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

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ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TEST PIT DATA

DATE: 11/29/00

TOWN INSPECTOR: N/A

#1 ELEV 50±

0–6" TOPSOIL (10YR3/4 FINE SANDY LOAM)
6–24" BEACH SAND FILL (10YR 6/4 TO 6/6)
24"–60" 2.5Y 4/2 VERY FINE SANDY LOAM, MOIST RESTRICTIVE, WITH SILTS, HEAVY MOTTLES
ESHWT @ 24" BASED TO DEPTH TO RESTRICTIVE SUBGRADE (VARIES ACROSS PIT)
ESHWT UNDER NEW SYSTEM PROPOSED AT ELEV 47.0 EQUALS 55" DEPTH AT EXIS HIGH CONTOUR.

NOTE: SAND FILL WAS PLACED IN CONJUNCTION WITH RECENT FOUNDATION WORK ON BARN AND DOES NOT EXTEND UNDER EXIS SYSTEM. LIMITS OF AND QUALITY OF OLD FILL UNDER EXISTING SYSTEM ARE UNKNOWN.

PERC TEST DATA

DATE: N/A (SEE BELOW)

PERC RATE: PROPOSED PERC RATE = 2 MIN/IN (SAND)

DESIGN LOADING: 2 BEDROOMS (300GPD) + 1 BDRM (225 GPD) = 525 GPD X 125 SF/100GAL = 656 SF

AREA REQUIRED: 656 X 0.6 = 394 SF CHAMBERS REQUIRED

AREA PROPOSED: USE 14 4X8S FLOWDIFFUSOR CHAMBERS FOR 16' X 28' = 448 SF PROVIDED

SITE LOADING CALCS

TOTAL LOT AREA = 4 ACRES (APPROX 1 AC GROUP 3 AND 3 AC GROUP 5) AB (0%–8%) SLOPES.

ALLOWED LOADING = 2000/1.6 (GRP3)X1ACRE + 2000/3.0(GRP5)X3ACRES = = 1250 GPD + 2000 GPD = 3250 GPD ALLOWED LOADING WITH ON–LOT WATER SUPPLY
3250 X 2 = 6500 GPS ALLOWED W/MUNICIPAL WATER

EXISTING USE = TOTAL 525 GPD (SEE ABOVE)

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM AMENDED 6/25/01 TANK A LOCATION

LOCUS: 91 POST ROAD
NORTH HAMPTON, NH

OWNER: JUDITH A. JOHNSON REVOCABLE TRUST
JUDITH A. JOHNSON, TRUSTEE
89 POST ROAD
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: 1/8/01

APPROVAL: CA2001031837